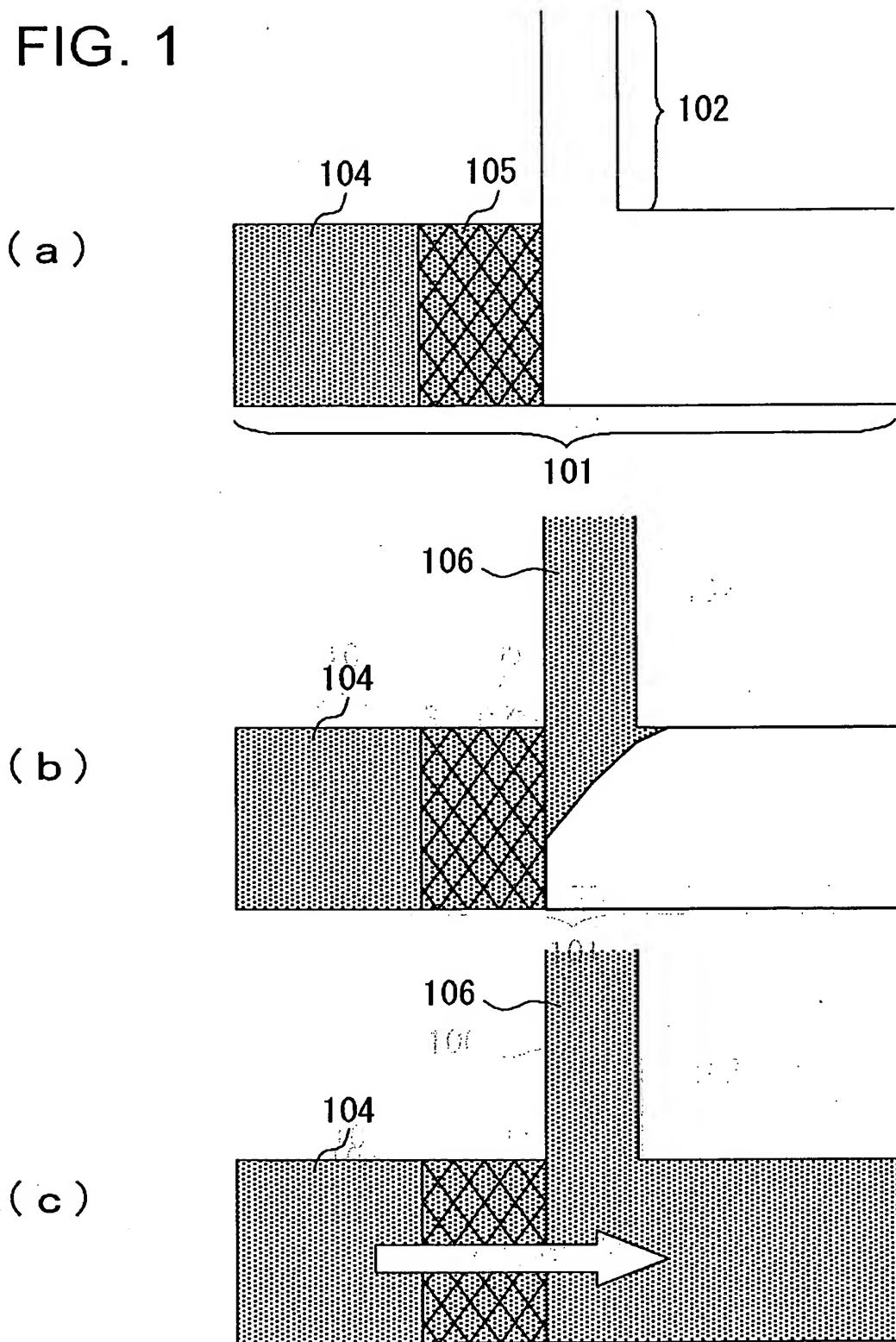


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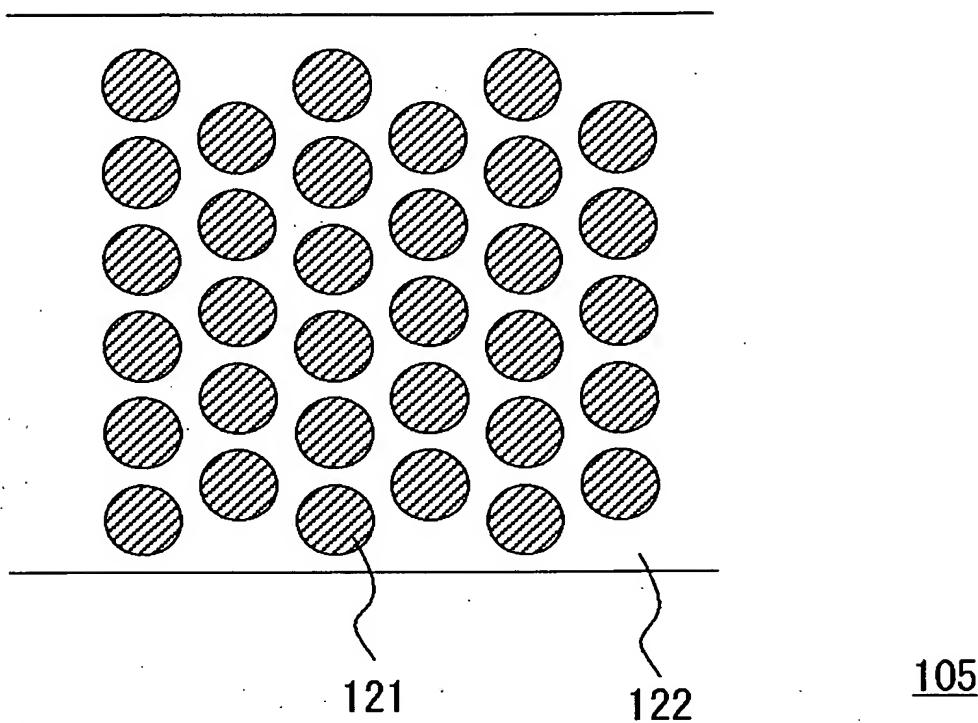
FIG. 1



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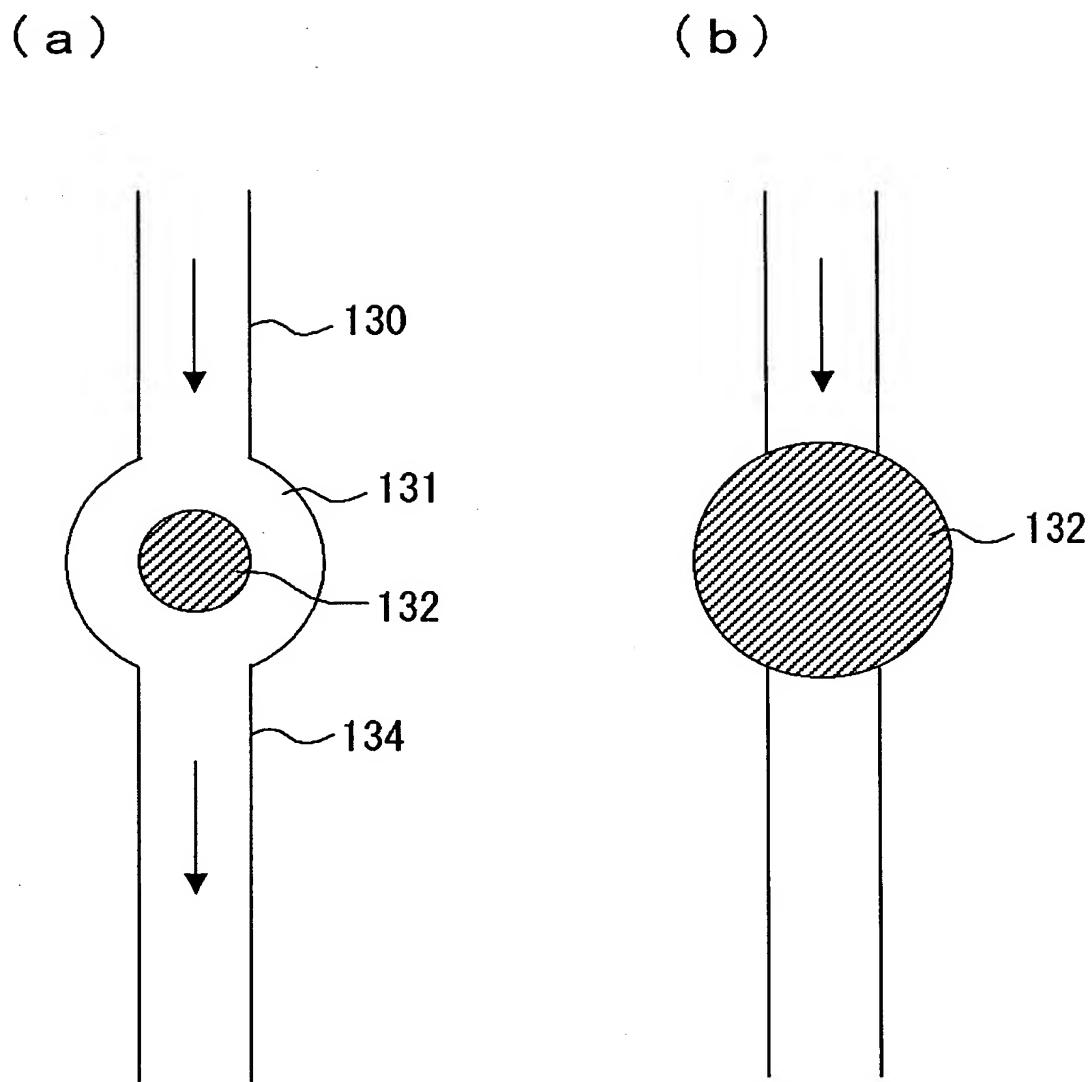
FIG. 2



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FIG. 3



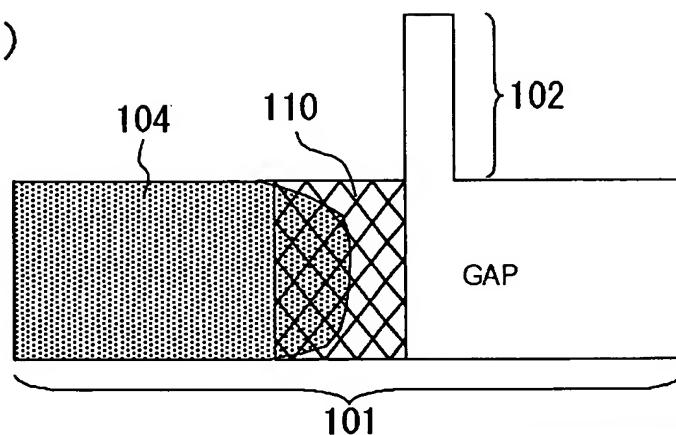
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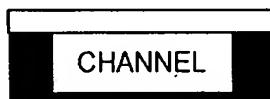
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FIG. 4

(a)



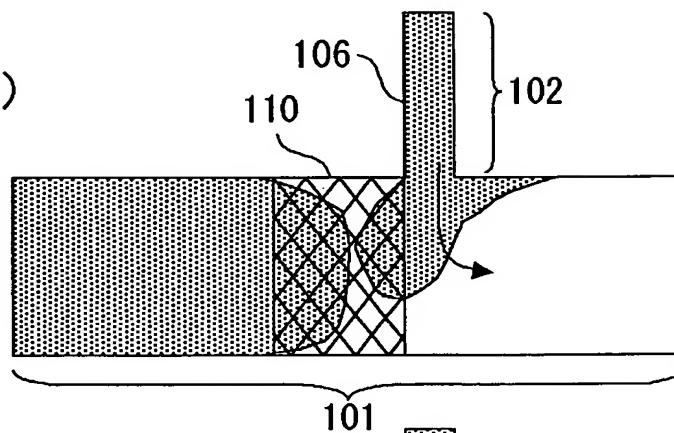
HYDROPHILIC LID



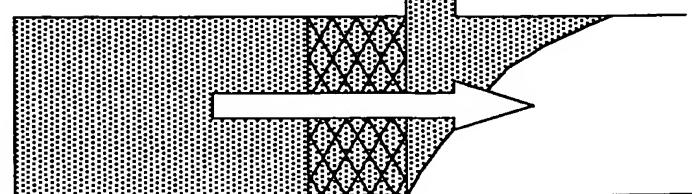
HYDROPHOBIC LID



(b)



(c)

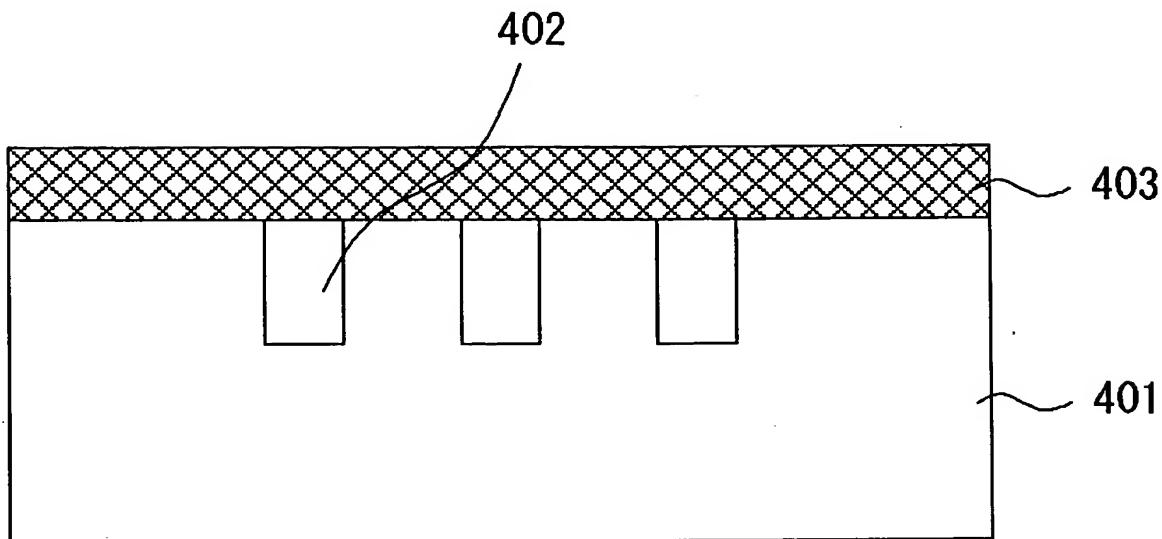


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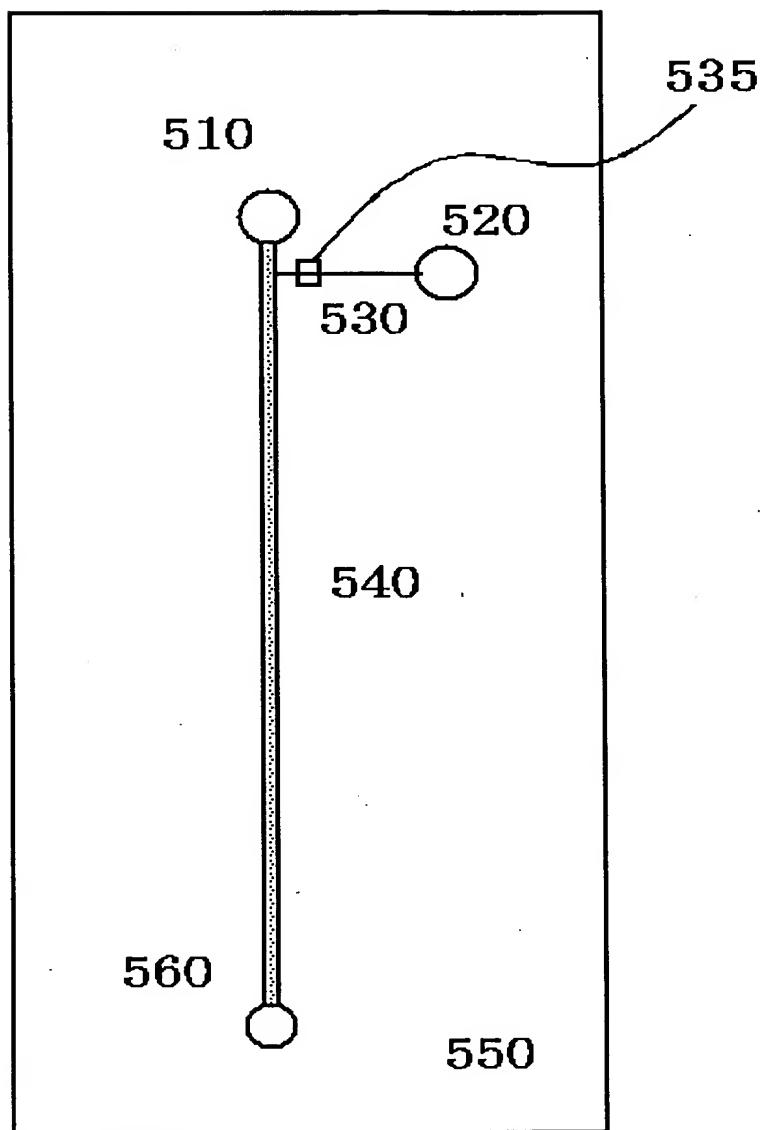
FIG. 5



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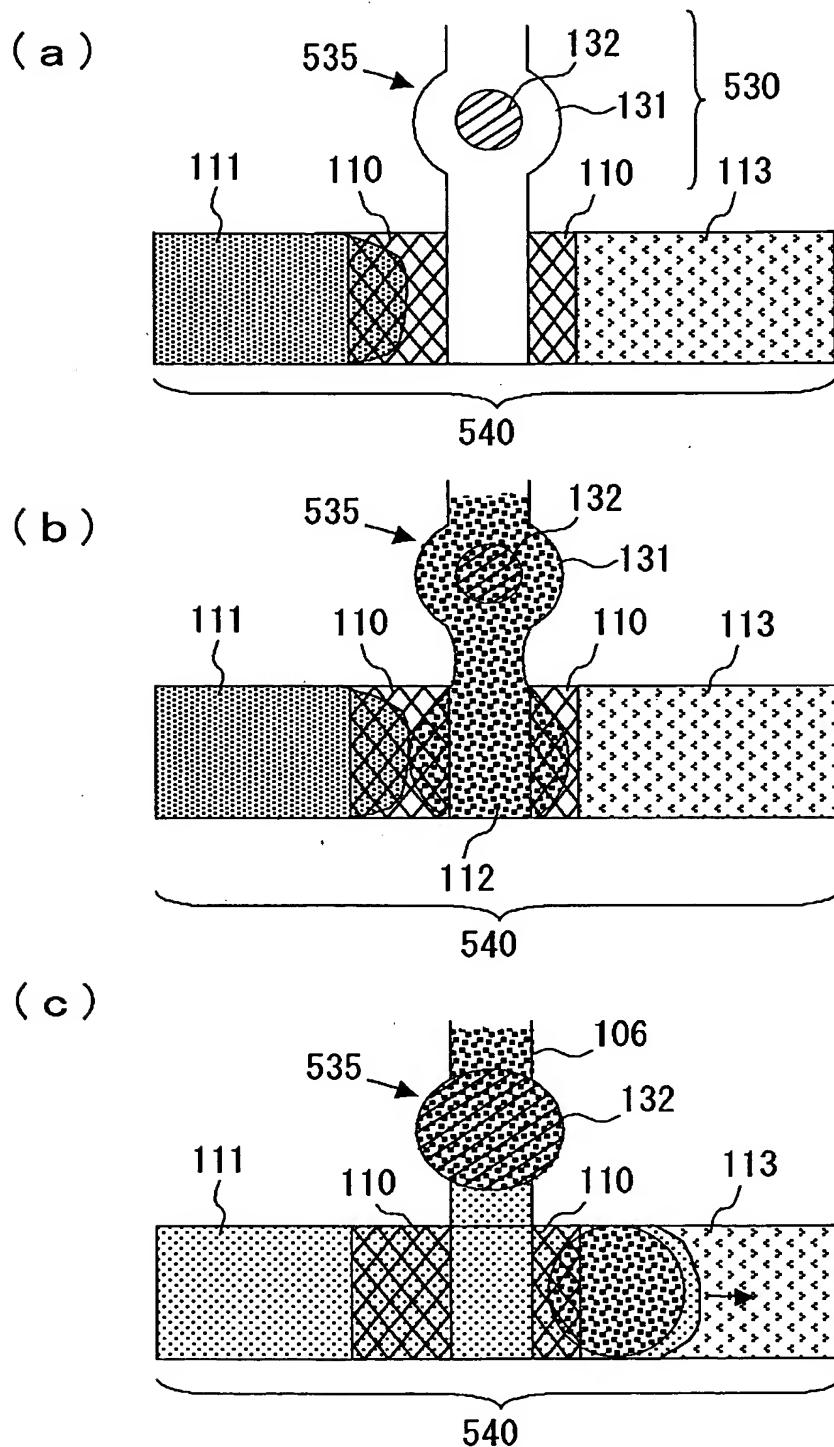
FIG. 6



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FIG. 7

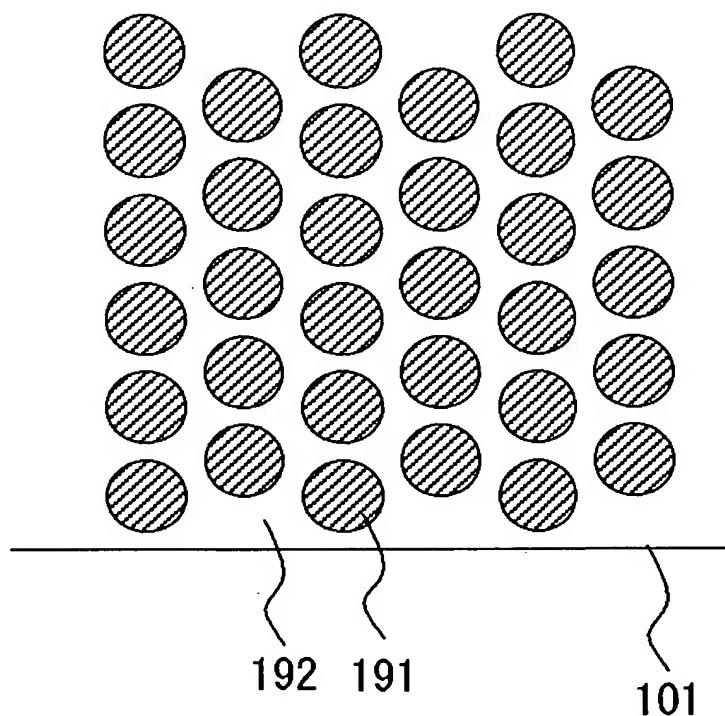


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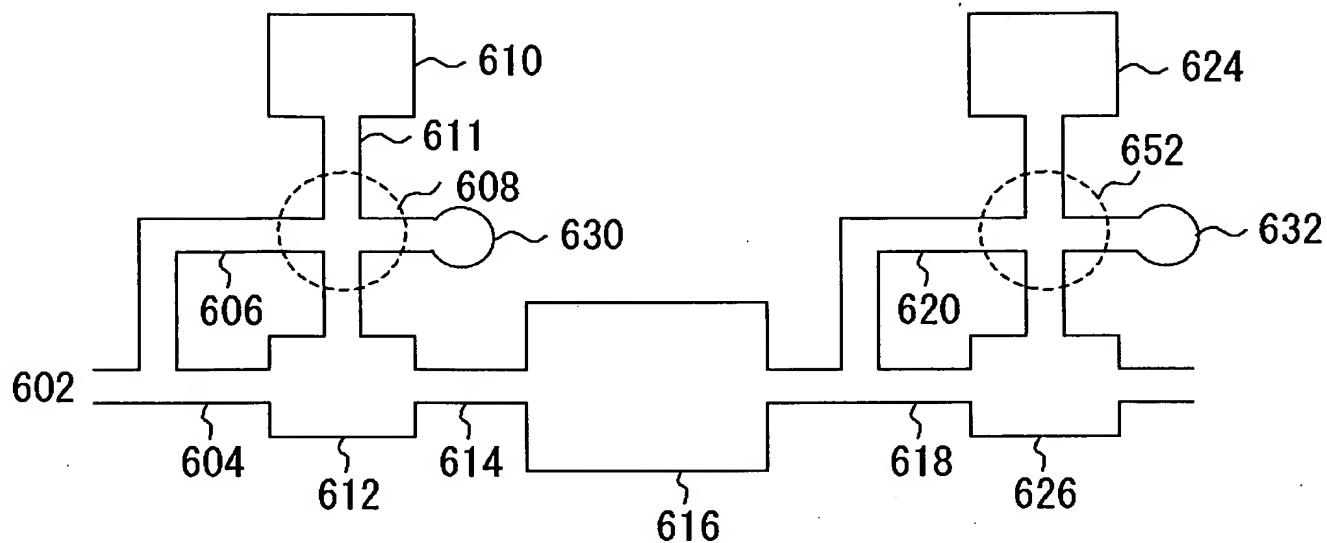
FIG. 8



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FIG. 9

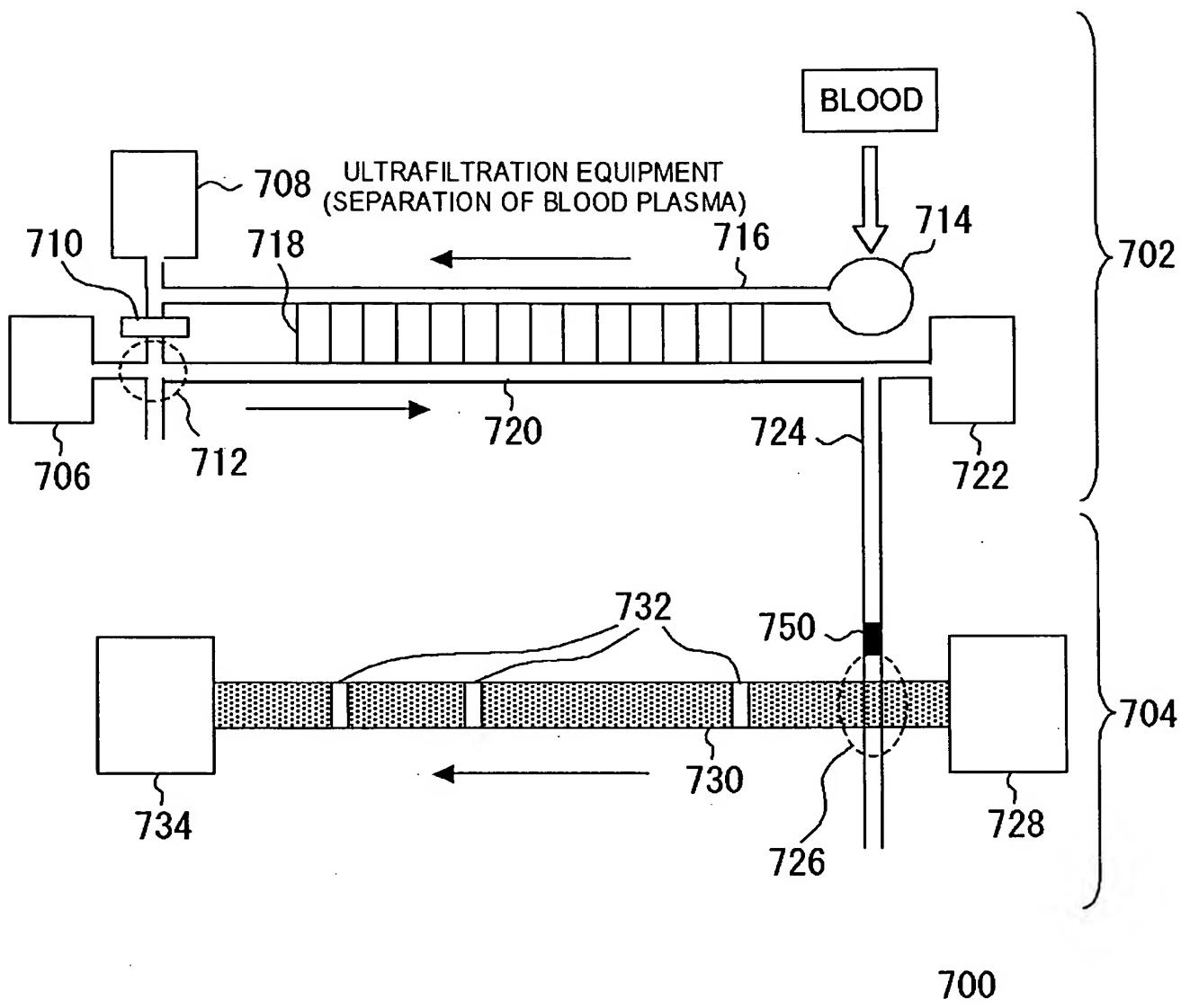


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FIG. 10

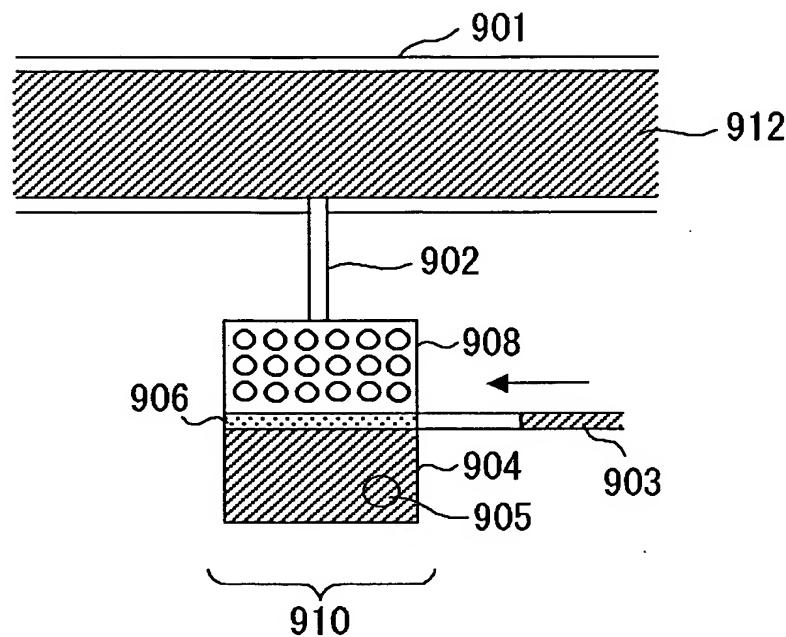


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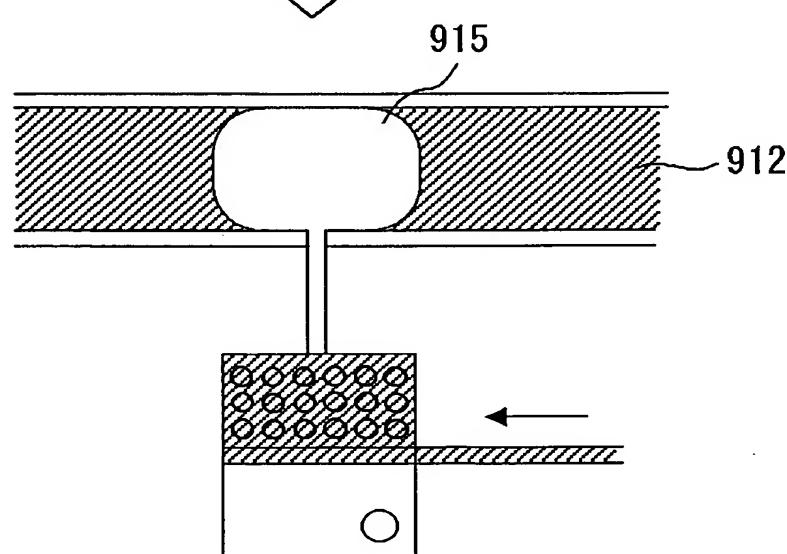
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FIG. 11

(a)



(b)

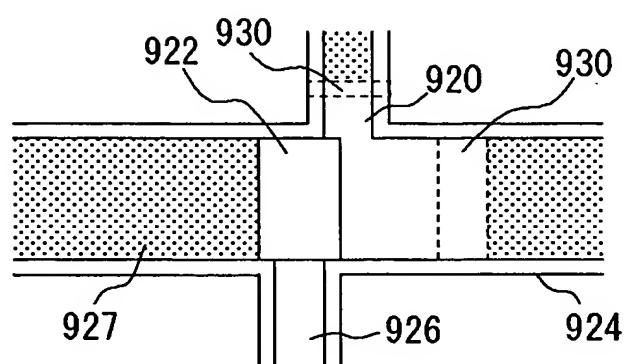


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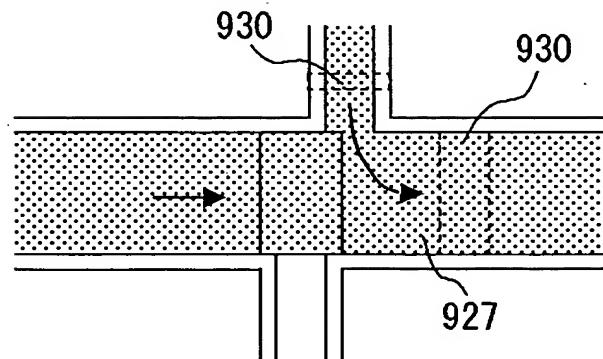
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FIG. 12

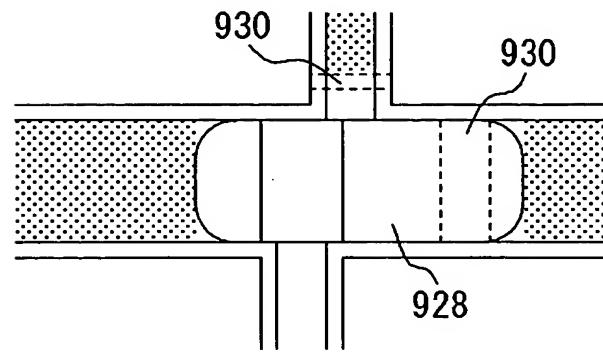
(a)



(b)



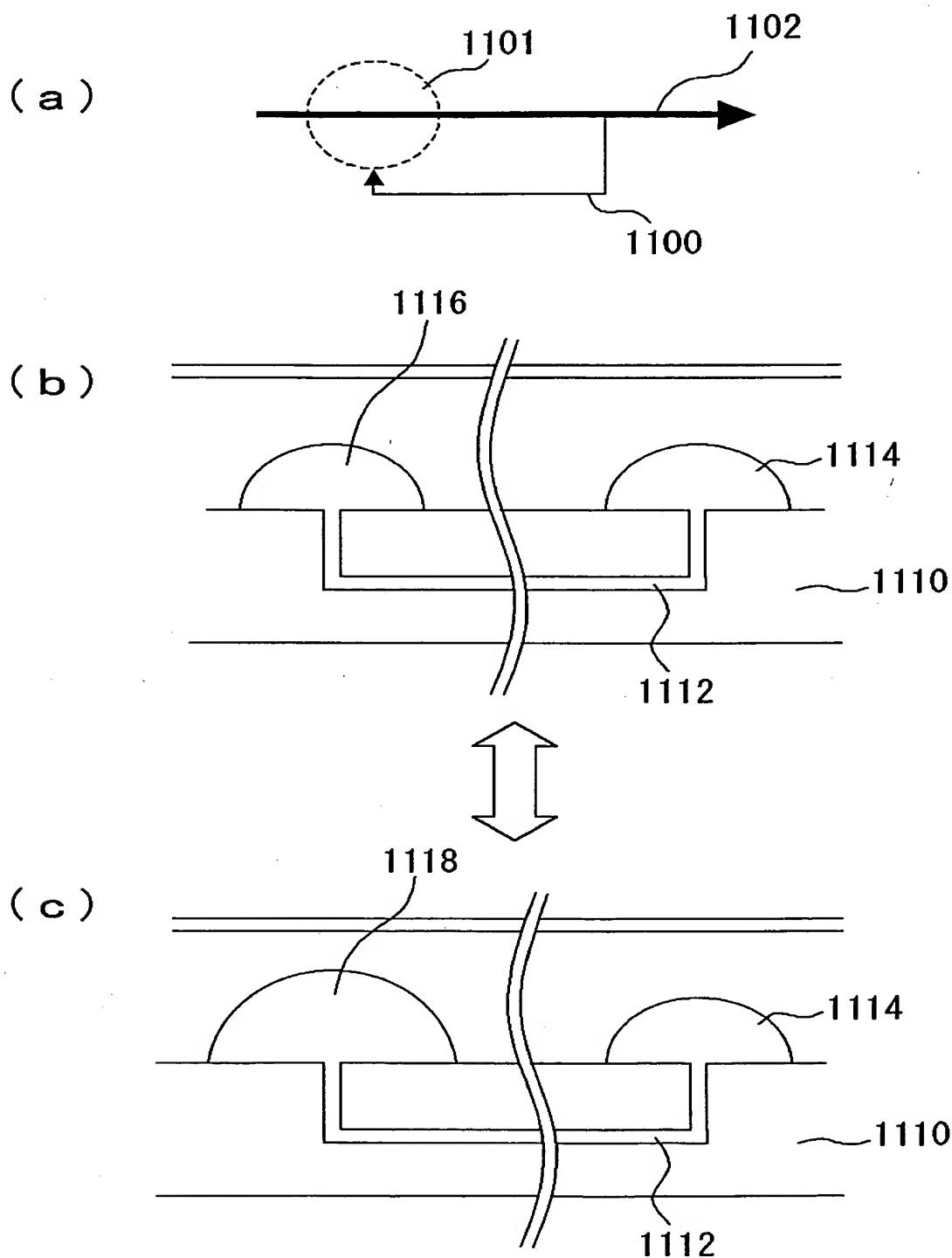
(c)



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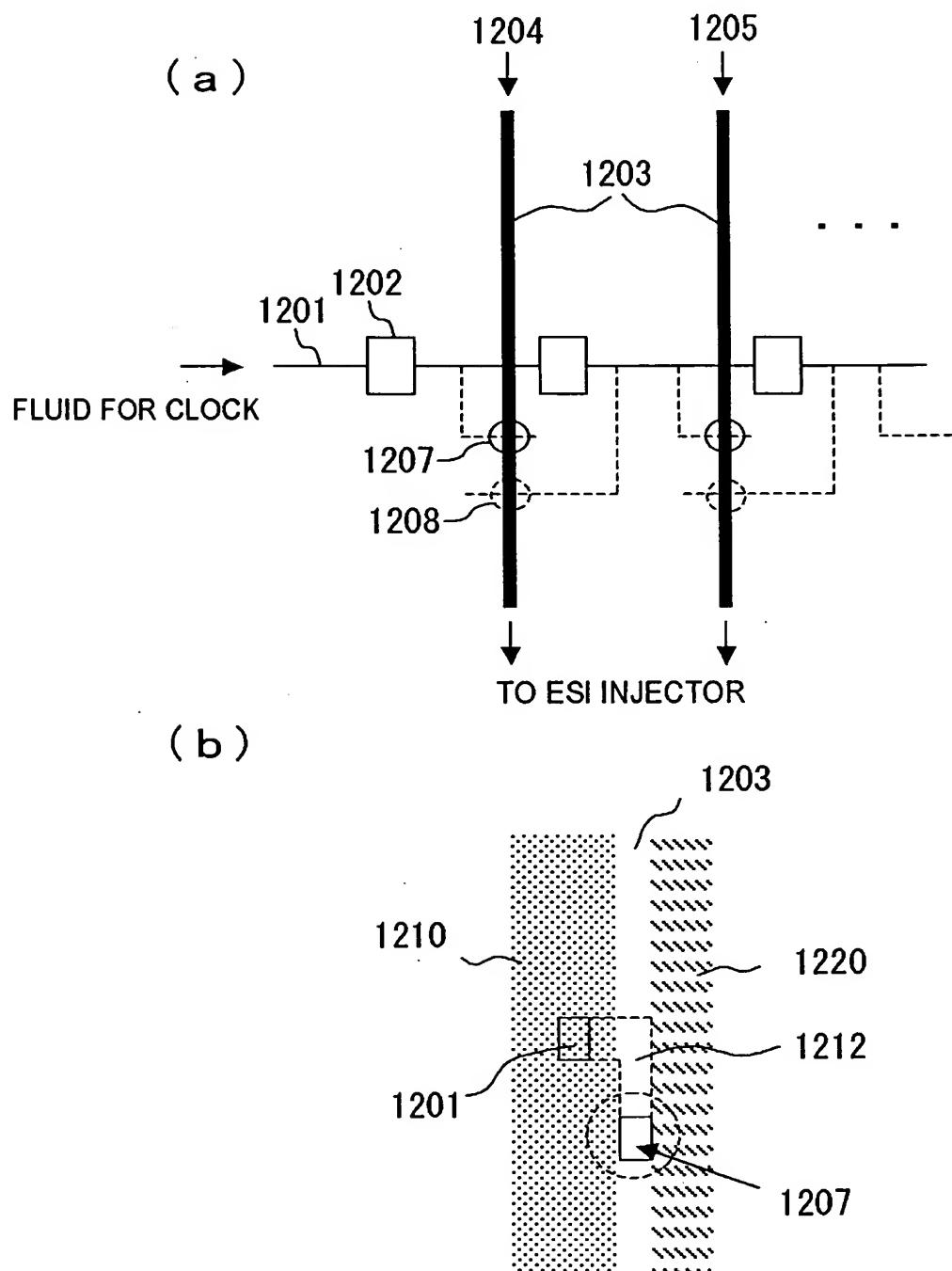
FIG. 13



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FIG. 14

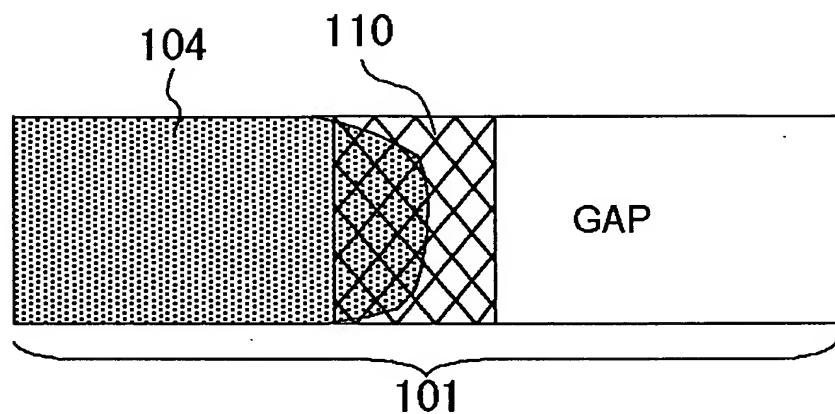


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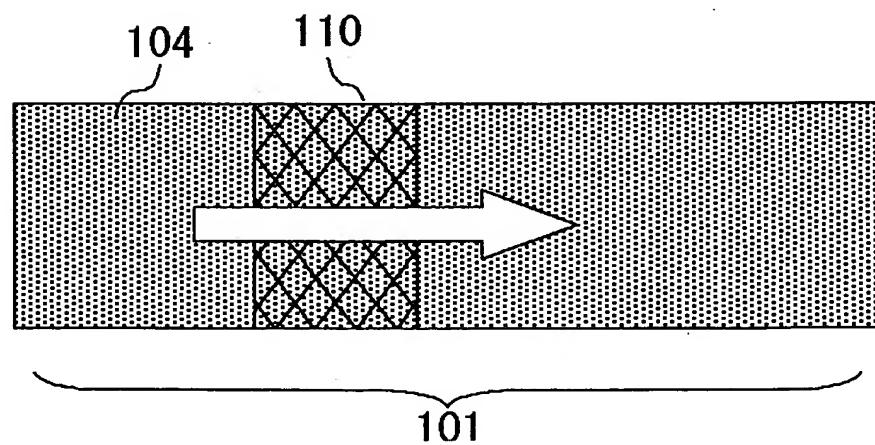
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FIG. 15

(a)



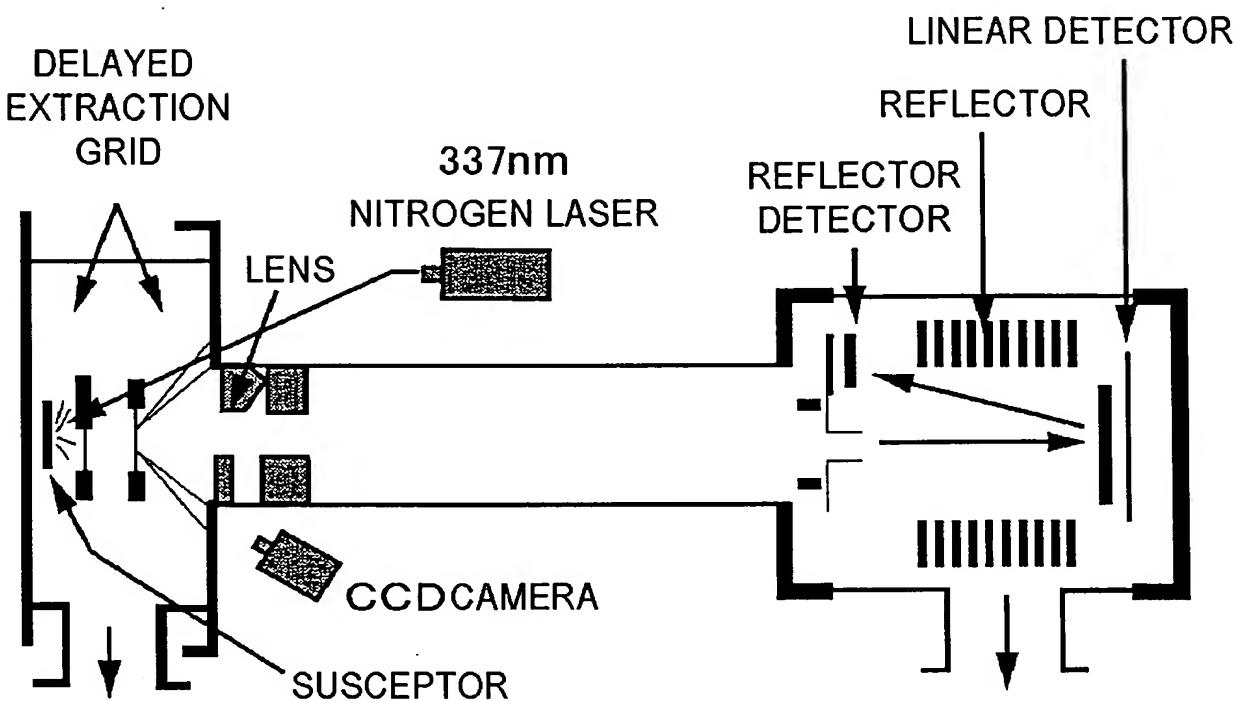
(b)



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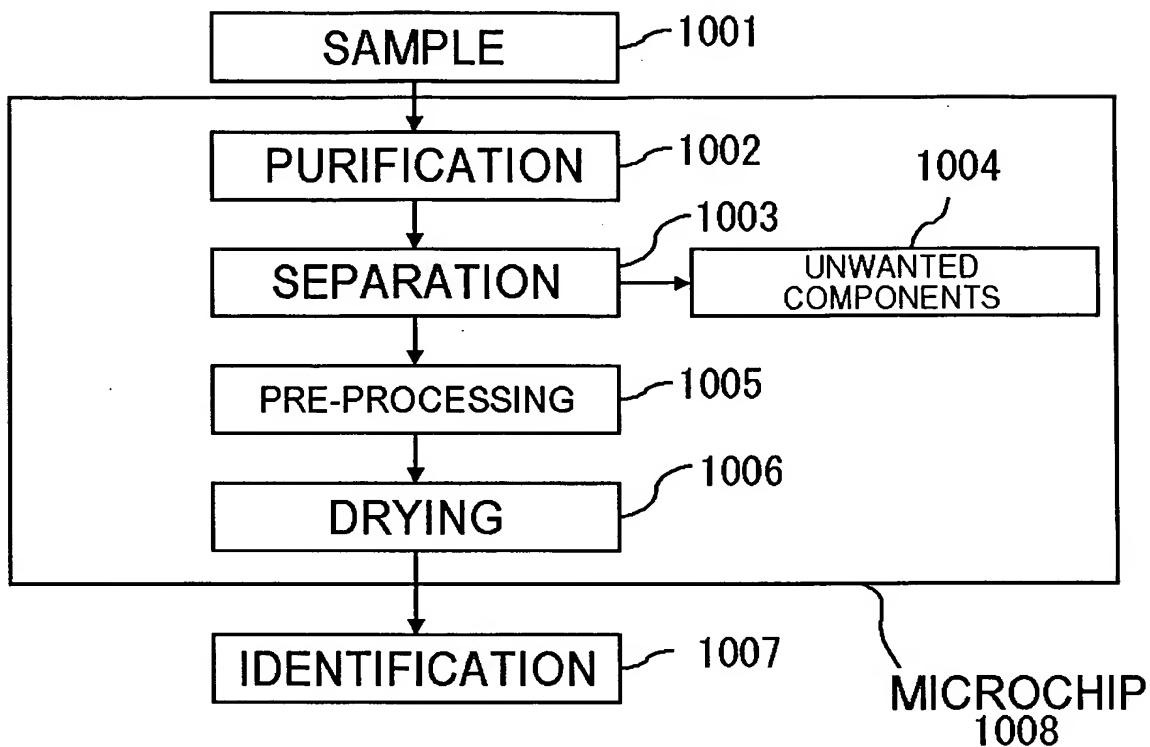
FIG. 16



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FIG. 17

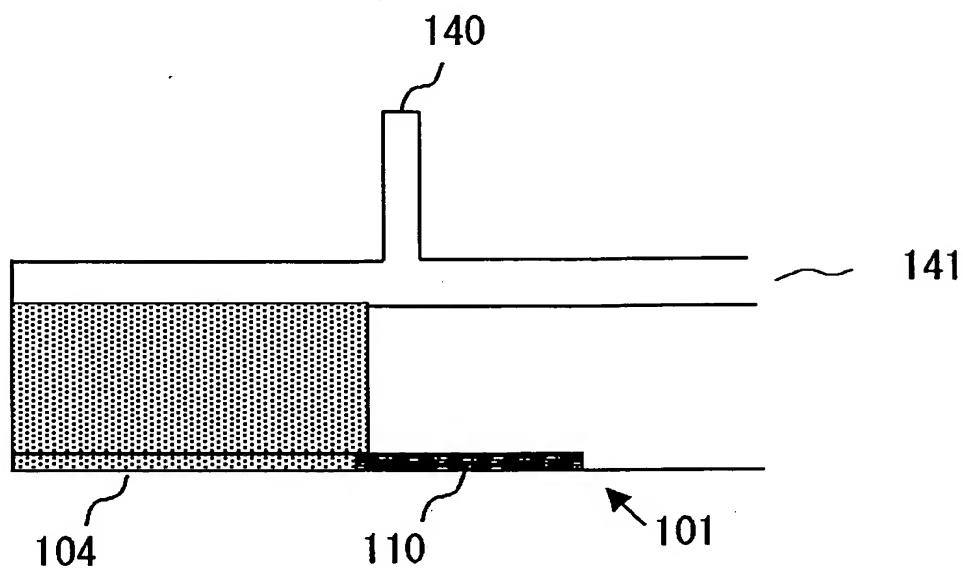


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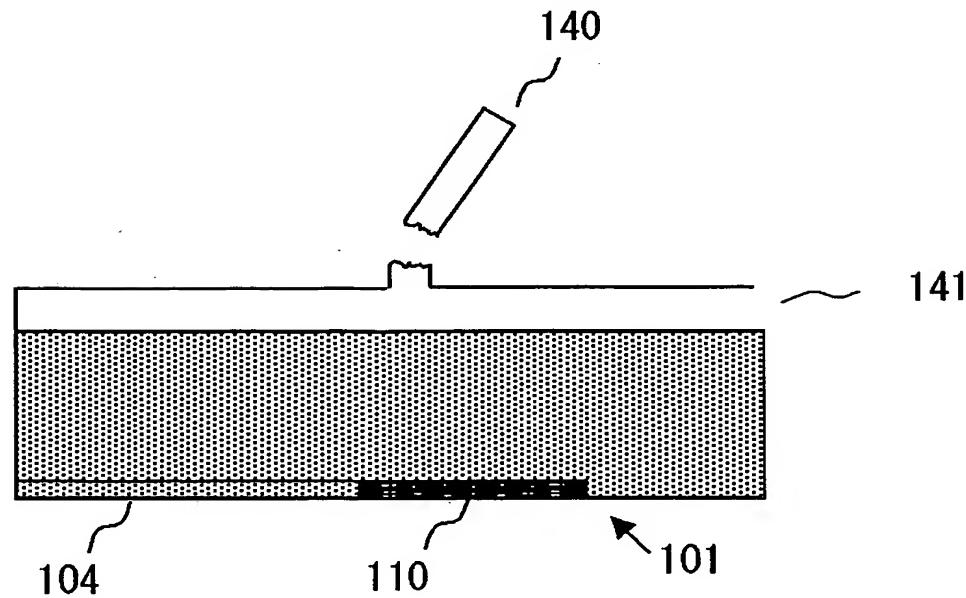
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FIG. 18

(a)



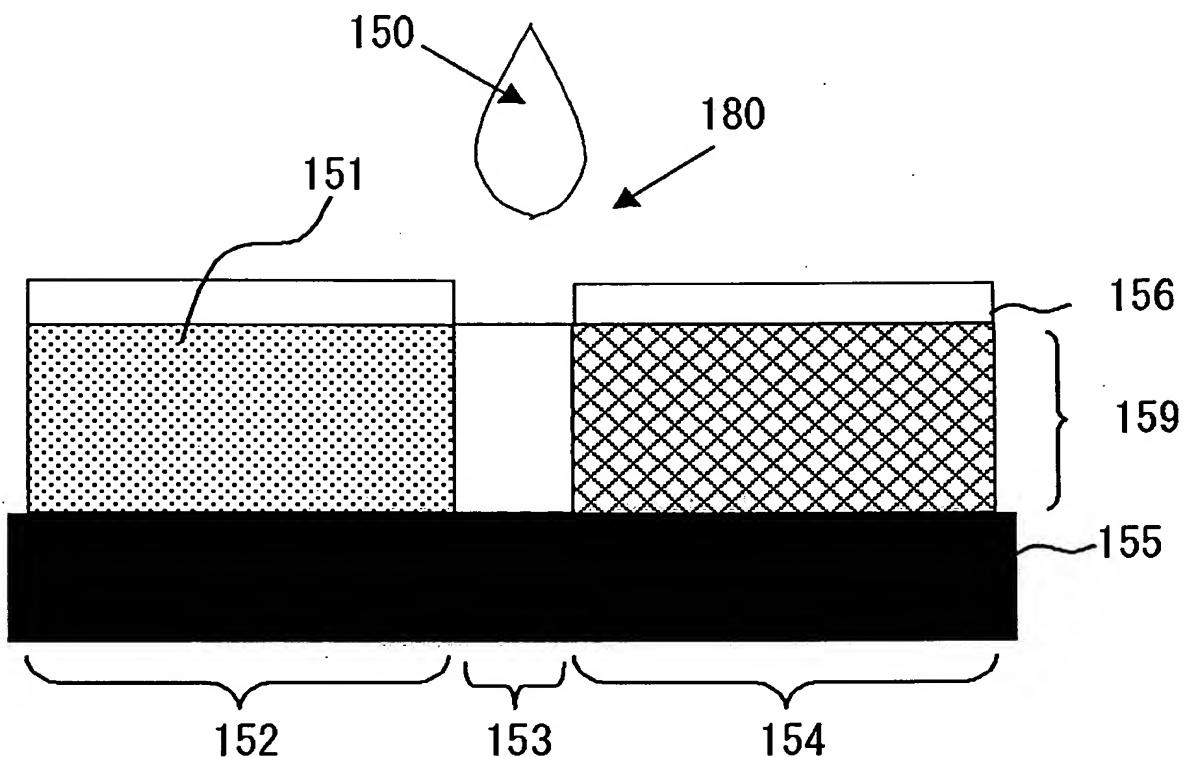
(b)



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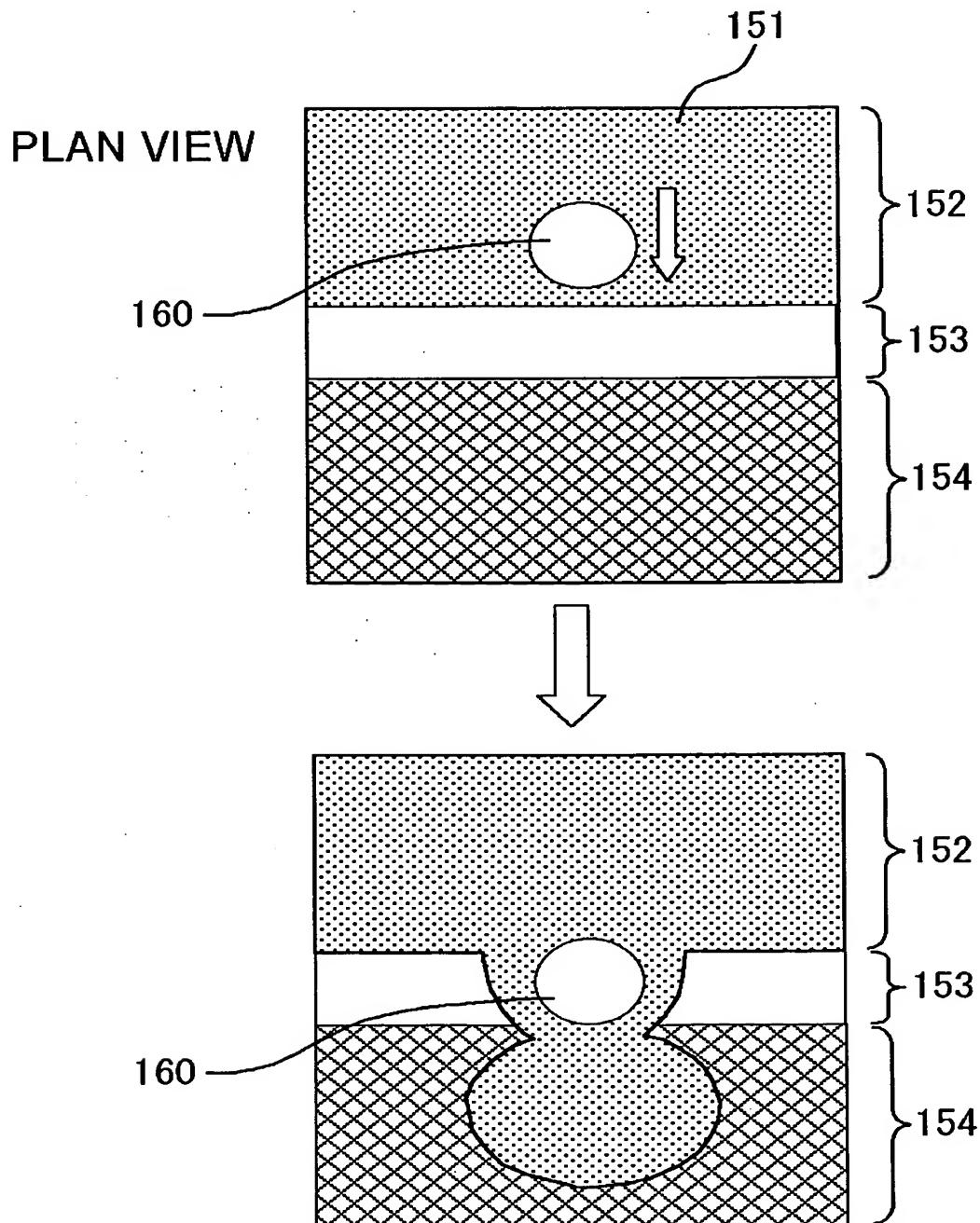
FIG. 19



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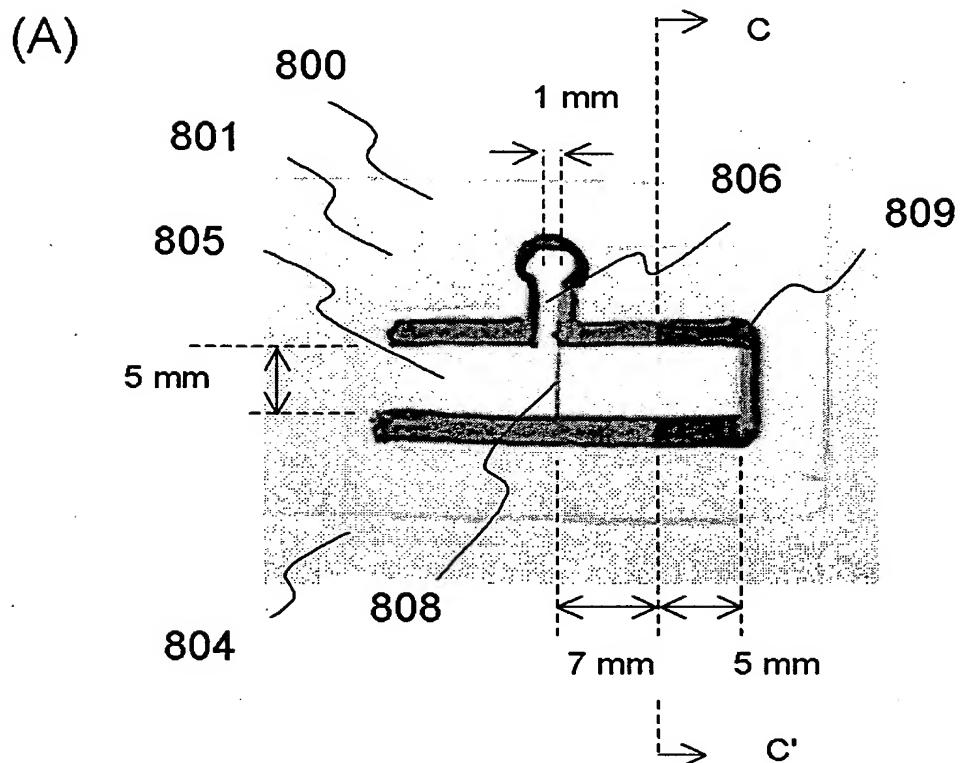
FIG. 20



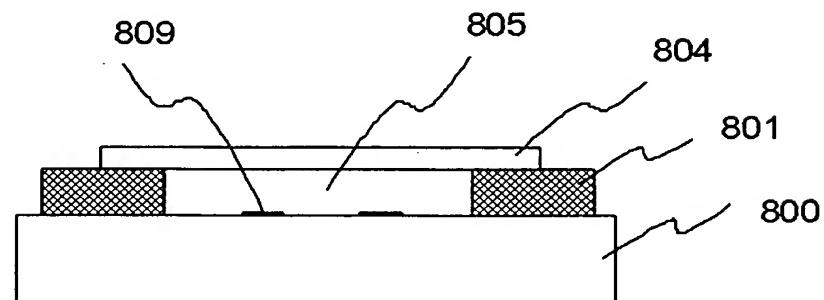
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FIG. 21



(B) C-C' CROSS-SECTIONAL VIEW

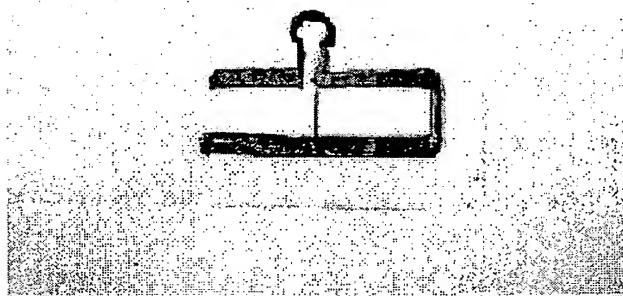


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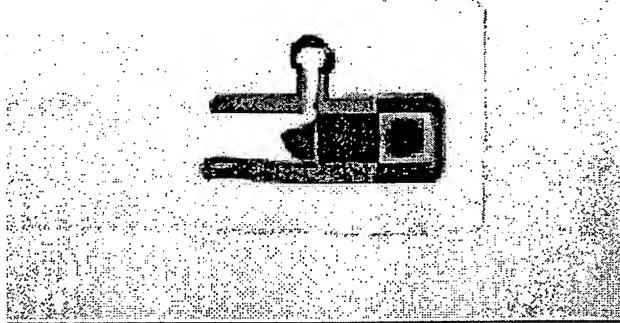
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FIG. 22

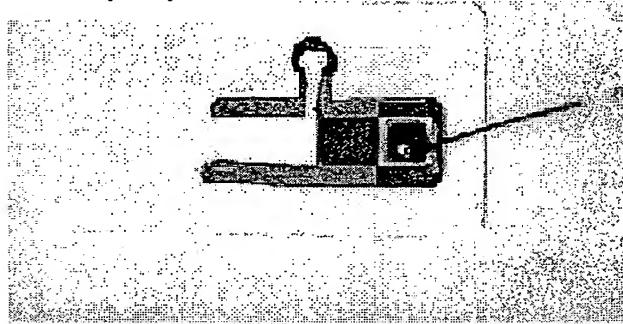
(A)



(C)



(B)



(D)

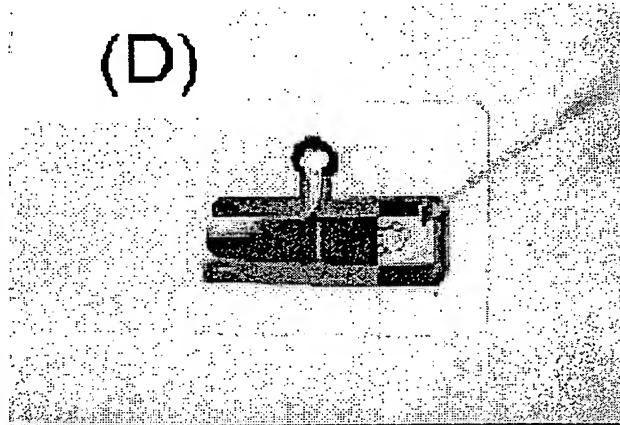
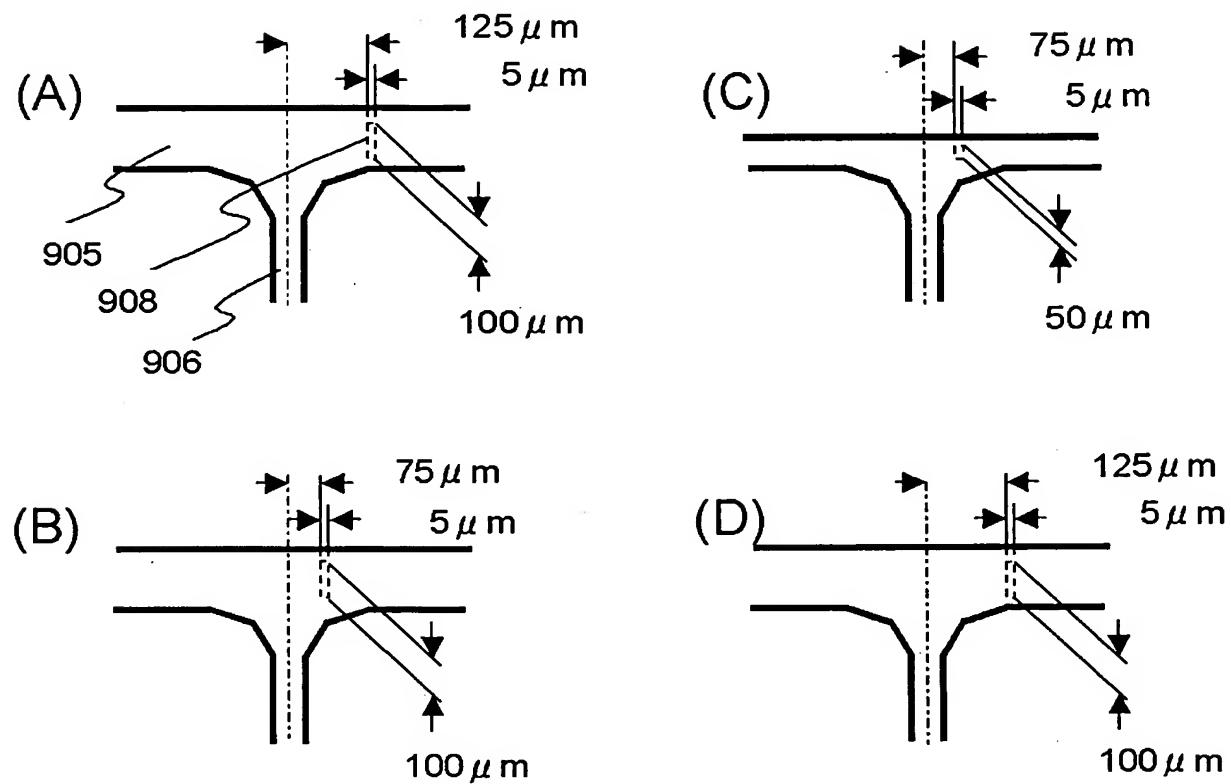


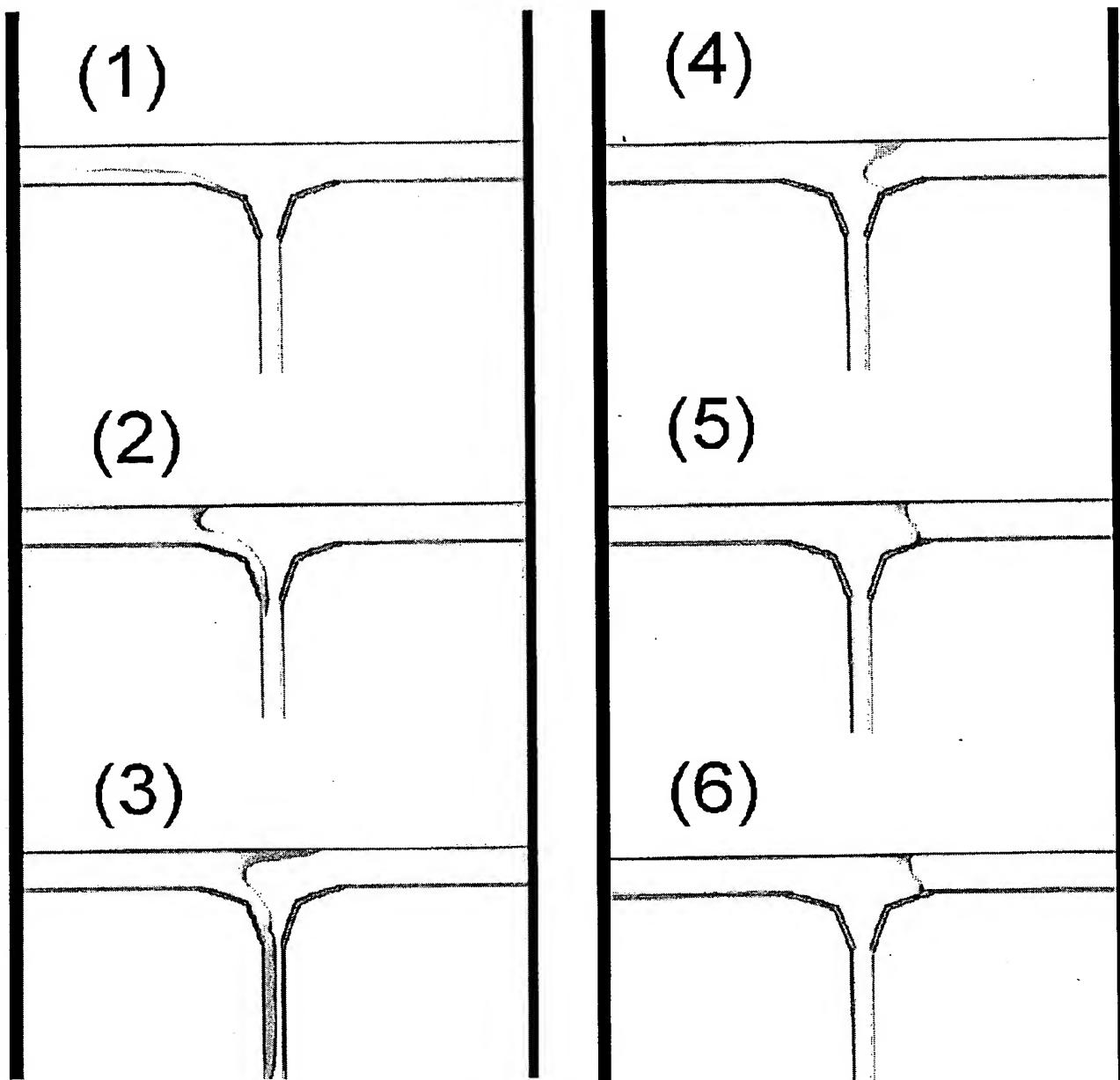
FIG. 23



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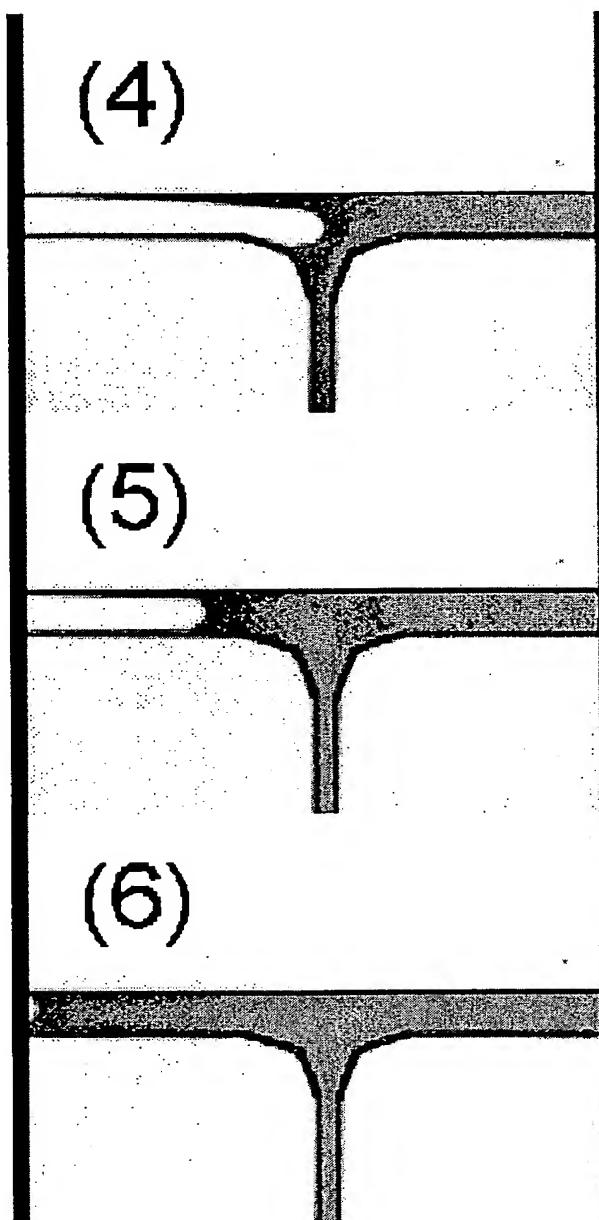
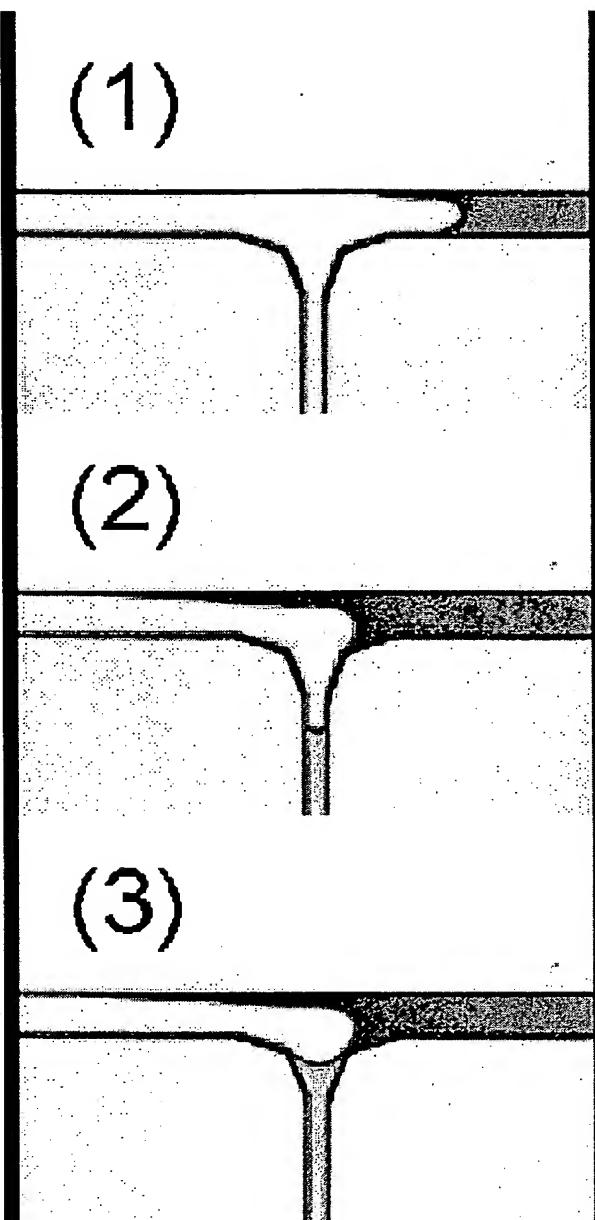
FIG. 24



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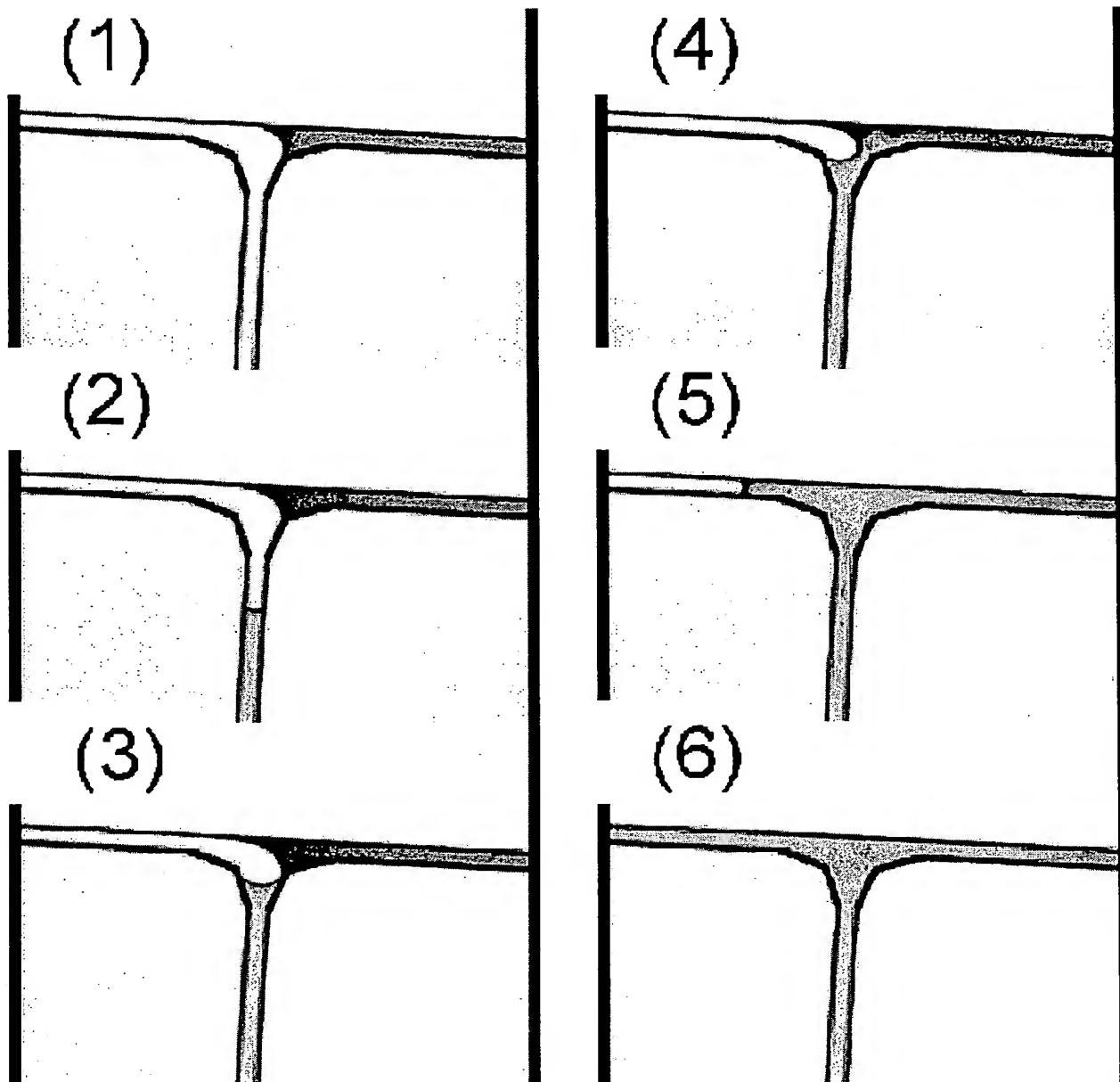
FIG. 25



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FIG. 26



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FIG. 27

